

## Contents of Volume 52

### Number 1, May 1992

Mechanistic studies in the transcuticular delivery of antiparasitic drugs II: ex vivo/in vitro correlation of solute transport by <i>Ascaris suum</i>	1
N.F.H. Ho, T.G. Geary, C.L. Barsuhn, S.M. Sims and D.P. Thompson (USA)	
Stage-specific expression of aldolase isoenzymes in the rodent malaria parasite <i>Plasmodium berghei</i>	15
B. Meier, H. Döbeli and U. Cerny (Switzerland)	
Active site thiol(s) in <i>Leishmania donovani</i> adenosine kinase: comparison with hamster enzyme and evidence for the absence of regulatory adenosine binding site	29
D. Bhaumik and A.K. Datta (India)	
<i>Schistosoma mansoni</i> p48 eggshell protein gene: characterization, developmentally regulated expression and comparison to the p14 eggshell protein gene	39
L.-L. Chen, D.M. Rekosh and P.T. Lo Verde (USA)	
Chitinase activity in encysting <i>Entamoeba invadens</i> and its inhibition by allosamidin	53
J.C. Villagómez-Castro, C. Calvo-Méndez and E. López-Romero (Mexico)	
Changes in the surface composition after transmission of <i>Acanthocheilonema viteae</i> third stage larvae into the jird	53
H. Apfel, W.F. Eisenbeiss and T.F. Meyer (Germany)	
Characterization of the rDNA unit and sequence analysis of the small subunit rRNA and 5.8S rRNA genes from <i>Tritrichomonas foetus</i>	63
D. Chakrabarti, J.B. Dame, R.R. Gutell and C.H. Yowell (USA)	
Mapping of B-cell epitope present in the neuraminidase of <i>Trypanosoma cruzi</i>	75
R.P. Prioli, E. Ortega-Barria, J.S. Mejia and M.E.A. Pereira (USA)	
Surface-associated antigens of <i>Brugia malayi</i> L2 and L3 parasites during vector-stage development	85
M.S. Ibrahim, T.L. Richie and A.L. Scott (USA)	
A potential hexose transporter gene expressed predominantly in the bloodstream form of <i>Trypanosoma brucei</i>	97
F. Bringaud and T. Baltz (France)	
Chromosomes of <i>Babesia bovis</i> and <i>Babesia bigemina</i> (Short Communication)	111
B.K. Ray, C.W. Bailey, J.B. Jensen and C.A. Carson (USA)	
Molecular cloning and sequencing of glutathione peroxidase from <i>Schistosoma mansoni</i> (Short Communication)	123
D.L. Williams, R.J. Pierce, E. Cookson and A. Capron (France, UK)	
Cloning and characterization of the <i>Wuchereria bancrofti</i> S15 ribosomal protein (Short Communication)	127
D.L. Ellnerberger, N.J. Pieniazek, I.S. Milán, M.L. Eberhard and P.J. Lammie (USA)	
Cloning and sequence analysis of a calcium-binding protein gene from a pathogenic strain of <i>Entamoeba histolytica</i> (Short Communication)	131
J. Prasad, S. Bhattacharya and A. Bhattacharya (India)	
The protein sequence predicted from a <i>Leishmania guyanensis</i> gp63 major surface glycoprotein gene is divergent as compared with other <i>Leishmania</i> species (Short Communication)	137
Holly B. Steinraus and Pamela J. Langer (USA)	
The 6-kb element of <i>Plasmodium falciparum</i> encodes mitochondrial cytochrome genes (Short Communication)	141
Jean E. Feagin (USA)	
145	

### Number 2, June 1992

Pyrimethamine resistant mutations in <i>Plasmodium falciparum</i>	
S. Thaitrong, S.-W. Chan, S. Songsomboon, P. Wilairat, N. Seesod, T. Sueblinwong, M. Gorman, R. Ridley and G. Beale (Thailand, UK)	149
Difference spectroscopic characterisation of the cytochrome complement in <i>Acanthocheilonema viteae</i>	
R.H.W. Mendis, A. Armon and W.B. Grubb (Australia)	159
A ( $\text{Ca}^{2+}$ - $\text{Mg}^{2+}$ )ATPase from <i>Schistosoma mansoni</i> is coupled to an active transport of calcium	
V.M.N. Cunha, J.R. Meyer-Fernandes and F. Noél (Brazil)	167
Inhibitors of the major cysteinyl proteinase (GP57/51) impair host cell invasion and arrest the intracellular development of <i>Trypanosoma cruzi</i> in vitro	
M.N.L. Meirelles, L. Juliano, E. Carmona, S.G. Silva, E.M. Costa, A.C.M. Murta and J. Scharfstein (Brazil)	175
<i>p</i> -Aminobenzoic acid transport by normal and <i>Plasmodium falciparum</i> -infected erythrocytes	
Y. Zhang, S. Merali and S.R. Meshnick (USA)	185
Isolation and characterization of a cyclic nucleotide-independent protein kinase from <i>Leishmania donovani</i>	
C. Banerjee and D. Sarker (India)	195
Transcribing and replicating particles in a double-stranded RNA virus from <i>Leishmania</i>	
R.S. Weeks, J.L. Patterson, K. Stuart and G. Widmer (USA)	207
Synthesis and secretion of proteins by released malarial parasites	
H.G. Elmendorf, J.D. Bangs and K. Haldar (USA)	215
Transcript-specific developmental regulation of polyadenylation in <i>Trypanosoma brucei</i> mitochondria	
G.J. Bhat, A.E. Souza, J.E. Feagin and K. Stuart (USA)	231
Genes selectively expressed in the infectious (metacyclic) stage of <i>Leishmania major</i> promastigotes encode a potential basic-zipper structural motif	

T.N. Brodin, S. Heath and D.L. Sacks (USA)	241
Calcium homeostasis in <i>Trypanosoma cruzi</i> amastigotes: presence of inositol phosphates and lack of an inositol 1,4,5-trisphosphate-sensitive calcium pool	
S.N.J. Moreno, A.E. Vercesi, O.P. Pignataro and R. Docampo (USA, Brazil)	251
A <i>Babesia bovis</i> 225-kilodalton protein located on the cytoplasmic side of the erythrocyte membrane has sequence similarity with a region of glycogen phosphorylase	
D.P. Jasmer, D.W. Redeker, L.E. Perryman and T.C. McGuire (USA)	263
The GMP reductase gene of the nematode <i>Ascaris lumbricoides</i> var. <i>suum</i> (Short Communication)	
M. Gruidi, K. Bunch, S. Gharib and K.L. Bennett (USA)	271
Molecular cloning of a 16-kilodalton Cu/Zn superoxide dismutase from <i>Schistosoma mansoni</i> (Short Communication)	
A. Cordeiro da Silva, T. LePresle, A. Capron and R.J. Pierce (France)	275
Comparison of the carboxy-terminal, cysteine-rich domain of the merozoite surface protein-1 from several strains of <i>Plasmodium yoelii</i> (Short Communication)	
T.M. Daly, J.M. Burns Jr. and C.A. Long (USA)	279
Isolation of skeleton-associated knobs from human red blood cells infected with malaria parasite <i>Plasmodium falciparum</i> (Short Communication)	
A.H. Chishti, K.I. Andrabi, L.H. Derick, J. Palek and S.-C. Liu (USA)	283
Characterization of a possible tRNA synthetase gene from <i>Onchocerca volvulus</i> (Short Communication)	
M.A. Kron, K. Erttmann, B.M. Greene and T. Unnasch (USA)	289
Author Index	293
Subject Index	295
Contents of Volume 52	297

